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# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.1 Drinking Water Plan Review

Continued

#### 1.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report numbers of permitting decisions on drinking water plan review applications. POU/POE approvals are included in the ATC/AOC numbers.				PPG
a Approvals to Construct (ATC)	Semi-Annual	216	Drinking Water	
b Approvals of Construction (AOC)	Semi-Annual	170	Drinking Water	

1.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-APP DWSRF Federal [Match]	0.50	31,159	13,710	20,074		64,943
WQFF-APP	0.25	17,138	7,541	11,041		35,720
SDW (VEI) DWSRF 10% [Match]	0.81	52,708	23,191	33,957		109,856
DWSRF 10%	1.42	82,578	36,334	53,201		172,113
TOTALS	2.98	183,583	80,776	118,273		382,632

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.2 Drinking Water Technical Assistance

Continue WIFA/DEQ partnership in providing operational technical assistance and tools to public water systems to assist in improving system compliance. Assistance may involve use of ADEQ staff and/or third party providers, as appropriate.

#### 1.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Finalize Master Priority List (MPL) for system level technical assistance in conjunction with WIFA.	3/16/2016	6/27/2016	Drinking Water	
2 Provide technical assistance to small water systems using state approved contractors and oversee contractor performance. Apply system level TA, which may include fundable ranges outlined in WIFA's Intended Use Plan (IUP), within 30 days after SEs are approved by the state.	Semi-Annually	20	Drinking Water	
3 Develop small water systems compliance strategy	6/30/2016	6/30/2016	Drinking Water, DWSRF 10% Director	
4 If resources are available, ADEQ will attend the EPA-ORD Small Systems Compliance Technology Workshop in Cincinnati, OH.	8/28/2015	8/10/2015	Drinking Water	DWSRF 10%
5 If resources are available, ADEQ will attend the national Capacity Development and Operator Certification conferences/workshop.	12/15/2015	12/10/2015	Drinking Water	DWSRF 10%

1.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI) DWSRF 10% [Match]	0.50	20,861	9,179	13,440		43,480
SDW (VEI)	0.33	15,286	6,726	9,848		31,860
DWSRF 10%	0.54	20,455	9,000	13,178		42,633
Contract: Oper Tech Assist (2% set aside)					150,000	150,000
TOTALS	1.37	56,602	24,905	36,466	150,000	267,973

#### End of Year Summary

The capacity development program published the Master Priority List for public comment as required by rule on May 27, 2016. An oral proceeding was held on June 27th to accept comments. No one attended the hearing so the MPL went final on 6/27/16. The program provided technical assistance to 17 PWS for 20 different tasks including system evaluations, treatment evaluations and corrosion control studies. Over \$175,000 was spent on technical assistance. In addition, six management track trainings were held for owners and managers of small water systems. Over 150 people attended these two day events.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DRW

#### TASK 1.3 Operator Certification

The Safe Drinking Water Act requires states to adopt and implement a program for certification and recertification of the operators of community water systems (CWSs) and non-transient, non-community water systems (NTNCWSs) that meet the minimum standards set forth in guidelines to be published by EPA.

ADEQ will conduct certification exams or contract with third party to conduct exams statewide, maintain registry of certified operators, and process and resolve disputes between persons and third party testers. ADEQ will continue outreach on the proposed operator certification fee rule as needed.

#### 1.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct training workshops.	6	6	Drinking Water	
2 Report certificates issued by class and grade:				
a Distribution Grade 1	Semi-Annual	244	Drinking Water	
b Distribution Grade 2	Semi-Annual	97	Drinking Water	
c Distribution Grade 3	Semi-Annual	60	Drinking Water	
d Distribution Grade 4	Semi-Annual	34	Drinking Water	
e Treatment Grade 1	Semi-Annual	161	Drinking Water	
f Treatment Grade 2	Semi-Annual	70	Drinking Water	
g Treatment Grade 3	Semi-Annual	50	Drinking Water	
h Treatment Grade 4	Semi-Annual	32	Drinking Water	
3 Review and verify professional development hours for certification renewals.	10%	100%	Drinking Water	
4 Conduct annual audit of approved third party proctors.	100%	100%	Drinking Water	
5 FY16 Annual Report to EPA	9/15/2015	8/7/2015	Drinking Water	



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DRW

#### TASK 1.3 Operator Certification

Continued

1.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-APP DWSRF Federal [Match]	0.75	28,410	12,500	18,303		59,213
SDW (VEI) DWSRF 10% [Match]	1.67	85,783	37,745	55,266		178,794
SDW (VEI)	0.25	15,143	6,663	9,756		31,562
PPG	0.75	34,626	15,235	22,308		72,169
Contract: Operator Certification (2% set aside)					150,000	150,000
TOTALS	3.42	163,962	72,143	105,633	150,000	491,738

#### End of Year Summary

The upgrades to the Safe Water Operator Certification System (SWOCS) in FY07 and again in FY12 continued to be beneficial to the program in FY16 by facilitating the notification of PWSs who do not have a certified operator of record. Due to the decrease in number of PWSs without an operator record the operator certification took a more hands on approach by contacting systems by phone. As of June 30, 2016, two PWSs did not have a certified operator of record, a significant improvement from FY15 when there were 20 PWSs without a certified operator. Five, two day capacity development events were held with 343 attendees. One, three day capacity development event was held with 108 attendees. IN addition there were twelve, one day events hosted at ADEQ with 333 attending in person and 300 participating via webinar. Total number of attendees for FY16 was 1,084.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.4 New and Existing System Capacity Development

Ensure that new community water systems and non-transient, non-community water systems which commenced operations since October 1, 1999, can demonstrate technical, managerial and financial capacity to operate in compliance with the requirements contained in the federal regulations in effect at the time the water system begins operations.

Continue WIFA/DEQ Partnership providing operational technical assistance and tools to public water systems to assist in improving system compliance. Identify technical, managerial and financial (TMF) obstacles/challenges faced by existing systems and implement strategies to address.

#### 1.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report permitting decisions on elementary business plan applications.	Semi-Annual	2	Drinking Water	DWSRF 10%
2 Conduct ongoing training for PWS staff/certified operators which, at a minimum, will include the following topics:				DWSRF 10%
a Monitoring Assistance Program	2	2	Drinking Water	
b New PWS capacity development	2	2	Drinking Water	
c EMP/ERP/VA	2	4	Drinking Water	
d Existing Safe Drinking Water rules	4	18	Drinking Water	
3 FY15 Annual Report	9/15/2015	8/7/2015	Drinking Water	DWSRF 10%
4 Re-evaluate the capacity development program as part of the development of the small systems compliance strategy identified in Task 1.2.	6/30/2016	6/30/2016	Drinking Water Director	DWSRF 10%

1.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.33	15,286	6,726	9,848		31,860
DWSRF 10%	0.04	2,576	1,133	1,659		5,368
TOTALS	0.37	17,862	7,859	11,507		37,228

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.5 Drinking Water Monitoring Assistance Program (MAP)

Assist small public water systems serving fewer than 10,000 populations with improving system compliance by developing and implementing strategies to perform required monitoring. Provide technical assistance, develop and update monitoring guidance documents. Initiate and issue waivers. Update vulnerability assessments. Reconcile laboratory analysis report with requested tests and with individual system monitoring requirements. Assure all follow-up samples are taken. GPS points of entry, as needed.

#### 1.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
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1 Update monitoring schedules, including waivers and/or reduced monitoring assessments, for:

a	Groundwater PWSs	Quarterly	Quarterly	Drinking Water
b	Surface water PWSs	Quarterly	Quarterly	Drinking Water

1.5 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.48	30,040	13,217	19,353		62,610
Map Fee Fund	1.00	46,017	20,248	29,647		95,912
Contract: Map Lab					550,000	550,000
TOTALS	1.48	76,057	33,465	49,000	550,000	708,522

#### End of Year Summary

Approximately 45 days after the conclusion of each quarter, monitoring results are analyzed using SDWIS to determine if monitoring schedules for MAP should be adjusted. During FY16, ADEQ undertook a process to review all inorganic, synthetic organic and volatile organic chemicals schedules for accuracy with sampling data, this was completed 6/17/2016. The Monitoring Assistance Program (MAP) completed its 17th year of operations in FY16 and continues to be a strongly supported program by the regulated community. By conducting baseline EPDS compliance monitoring for the participating PWSs serving less than 10,000 people (and for PWSs serving greater 10,000 that opt into the program), MAP continues to lower the number of potential missed monitoring/reporting violations state wide. MAP also invoiced the MAP systems in November 2015, mailed and processed MAP annual update cards in May 2016, and in June 2016 provided refunds to the systems with monies remaining in the MAP account following the fulfillment of the 2015 laboratory contract obligations.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.6 Drinking Water Monitoring and Reporting

These activities will support all the monitoring and reporting requirements for public drinking water systems in accordance with state and federal drinking water rules.

#### 1.6 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Complete SDWIS reporting for OECA on actions taken on systems with new violations.	Quarterly	Quarterly	Drinking Water	DWSRF 10%
2 Run monitoring/reporting rules in SDWIS, or alternative system as per monitoring schedule, validate violations and ensure proper public notification is issued. Report rules that were not run.	Semi-Annual	Quarterly	Drinking Water	DWSRF 10%
3 Hold regular meetings and/or conference calls with EPA to discuss PWSs issues. Document agreement on discussed items and follow up actions.	Monthly (12)	12	Drinking Water	DWSRF 10%
4 Complete GUDI determinations on new groundwater sources as they are developed. Report determinations.	Semi-Annual	0	Drinking Water	DWSRF 10%
5 Review and respond to incremental primacy crosswalks comments as provided by EPA for Stage 1 and Stage 2 DBPs.	Within 45 days of receipt from EPA Region 9		Drinking Water, Director	
6 Review the January 2015 SDWIS Data Quality Report and determine high priority data quality improvement areas to be addressed in FY16	7/1/2015	9/1/2015	Drinking Water	
7 Continue ADEQ's efforts to incorporate by reference the Lead and Copper Rule Short Term Revision (LCR STR) and the Revised Total Coliform Rule (RTCR).	4/1/2016	4/2/2016	Drinking Water Director	
8 Draft a SDWIS-Prime transition plan that identifies the team members, the leader, and a timeline.	4/1/2016		Drinking Water, IT	
9 Update SDWIS to ensure PWSs owned and operated by schools are properly identified	6/1/2016	6/1/2016	Drinking Water	
10 Develop a procedure/process to document ADEQ's oversight of the SDWA to delegated counties.	6/1/2016		Drinking Water Compliance	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.6 Drinking Water Monitoring and Reporting

Continued

#### 1.6 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
11 If resources are available, ADEQ will attend the annual ASDWA/EPA Data Management Users Conferences.	5/1/2016		Drinking Water	DWSRF 10%

1.6 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
Wellhead	1.32	69,082	30,396	44,506		143,984
SDW (VEI) DWSRF 10% [Match]	1.04	51,741	22,766	33,334		107,841
SDW (VEI)	1.34	69,431	30,550	44,732		144,713
DWSRF 10%	4.56	240,311	105,737	154,822		500,870
TOTALS	8.26	430,565	189,449	277,394		897,408

#### End of Year Summary

In fourth quarter FY2016, ADEQ began several projects to improve the Drinking Water Section's handling of the Safe Drinking Water Act through SDWIS and bring reporting on violations and enforcement actions current for all rules. By the conclusion of FY2016, ADEQ has run compliance on all chemical phase rules through SDWIS for the first time since at least FY2013 and approved two years of backlogged Stage 2 disinfection byproducts plans.

Despite a state-wide moratorium on rule making, ADEQ was able to adopt the Revised Total Coliform Rule and short term revisions to the Lead and Copper Rule; incorporating both by reference on April 02, 2016.

Without firm dates for the implementation of CDMP and SDWIS/Prime, ADEQ is unable to devise a transition plan or timeline for adoption. This uncertainty impacts long-term data management strategies like implementation of Lab to State and other electronic reporting options. By the end of Q4 FY2016, ADEQ had completed testing to allow the contractor for our Monitoring Assistance Program to submit data electronically and looks forward to receiving data in Q1 FY2017 in this fashion.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.7 Source Water Protection

Identify protective strategies and assist individual public water systems with the planning, development and application of measures/actions necessary to implement the Source Water Protection Program. Targets are our goals; however, the actual numbers achieved rely on the willingness and ability of public water systems to participate in the voluntary source water protection program (SWPP).

- a) Source Water Protection – provide technical assistance in planning and implementing local Source Water Protection for public water systems throughout Arizona.
- b) Source Water Assessments – perform or assist in the development of assessments for new individual sources or new systems which voluntarily choose to participate in source water protection by delineating source water protection areas, inventorying potential sources of contamination and performing vulnerability/susceptibility analysis.
- c) GUDI/Suspect GUDI Evaluations/Hydrology reviews – Make sensitivity determinations for PWSs/sources through reviews of occurrence data, sanitary surveys, and hydrological characterizations.

#### 1.7 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct Source Water Protection Program outreach events with individual PWSs.	6	11	Drinking Water	Wellhead
2 Delineate source water assessment areas for new PWSs/sources or reassess/update existing assessment areas.				Wellhead
A) Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.				
a Collect locational data using GPS and/or GIS for new drinking water sources or modify/update locational information for existing sources.	2	7	Drinking Water	
3 Conduct comprehensive inventories of potential sources of contamination.	6	28	Drinking Water	Wellhead
a Collect locational data using GPS and/or GIS for potential sources of contamination (chemical use/storage) within ½ mile radius of a new or existing drinking water source.	3	7	Drinking Water	
b Identify any changes in trends to the previously identified, most prevalent, and most threatening potential sources of contamination.	6/30/2016	11/14/2015	Drinking Water	
4 Assist public water systems to identify protection strategies and to implement those strategies.				Wellhead

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: DWR

#### TASK 1.7 Source Water Protection

Continued

#### 1.7 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
a Use new and updated SW assessments as part of a PWS's development of a SW Protection Plan	4	7	Drinking Water	
5 Participate in regional source water protection calls/forums.	As scheduled/needed	2	Drinking Water	Wellhead

1.7 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
Wellhead	1.85	112,091	49,320	72,215		233,626
TOTALS	1.85	112,091	49,320	72,215		233,626

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Carry out Arizona's groundwater protection program to protect Arizona's aquifers as drinking water sources. Maintain compliance with these programs through effective permitting in accordance with Department rules, practices, and policies.

Assist individual wastewater systems to improve operations on site.

#### 2.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report number of permitting decisions on Type 4 General Permit applications for on-site wastewater treatment systems and sewage collection systems.				Wellhead
a Construction Authorizations Strategy 2.b.i	Semi-Annual	122	Drinking Water	
b Discharge Authorizations Strategy 2.b.i	Semi-Annual	61	Drinking Water	
2 Report number of permitting decisions on Certificates of Approval of Sanitary Facilities for Subdivisions applications. Strategy 3.a.i	Semi-Annual	27	Drinking Water	
3 Report on groundwater issues related to underground injection via the APP Permits with UIC Nexus. Table following Task 2.1.	Semi-Annual		Water Permits	DWSRF 10%
4 Report number of permitting decisions on APP and reclaimed water permit applications.	Semi-Annual	232	Water Permits	
5 Provide technical support to WQIG on grant applications & public education. Strategy 3.a.i	As needed		Water Permits	
6 Register existing and new dry wells (Class V injection wells). Report number registered.	Semi-Annual	1845	Water Permits	Wellhead
7 Provide list of APP recharge applications in progress. (Refer to Recharge Facility Reviews Table following Task 2.1.)	Semi-Annual		Water Permits	Wellhead
8 Review hydrologic reports, attend meetings and provide technical support on projects related to mitigation orders. (Refer to Mitigation Order Reviews Table following Task 2.1)	Semi-Annual		Water Permits/Compliance	Wellhead



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**    Groundwater Protection – Permits

Continued

#### **2.1 DELIVERABLES:**

<b>OUTPUT DESCRIPTION</b>		<b>Target</b>	<b>Actual</b>	<b>Responsible Section</b>	<b>Grant</b>
9 Manage the Pesticide Contamination Prevention Program					
a	Evaluate potential for agricultural use pesticide active ingredients to reach and/or impact groundwater. Report number processed.	Semi-Annual	30	Water Permits	
b	Publish the annual Groundwater Protection List (GWPL)	12/31/2015	12/1/2015	Water Permits	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Continued

2.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-APP PPG [Match]	3.13	180,920	79,605	116,559		377,084
WQFF-APP NPS in PPG [Match]	0.27	17,545	7,720	11,303		36,568
WQFF-APP DWSRF Federal [Match]	2.82	157,161	69,151	101,252		327,564
WQFF-APP	7.95	472,352	207,835	304,315		984,502
Wellhead	3.02	173,304	76,254	111,652		361,210
DWSRF 10%	0.83	52,139	22,941	33,591		108,671
TOTALS	18.02	1,053,421	463,506	678,672		2,195,599

#### End of Year Summary

Table 1 - APP PERMITS WITH UIC NEXUS

ProjectName	Description
Excelsior Gunnison	The project is a proposed in situ (ISR) copper mine. The ISR method involves injecting low-pH barren solutions into the orebody using injection wells and extracting copper-bearing solutions at recovery wells that surround each injection well.
Florence Copper, Inc. Pilot Test Facility	FCI applied for a significant amendment to the Temporary Individual Permit. The purpose of the amendment is to address the Water Quality Appeals Board Order to remand the APP to ADEQ.
Kinder Morgan	Kinder Morgan plans to develop the St. Johns Gas Unit as a major supplier of CO2 for enhanced recovery of oil and natural gas.
Morton Salt	Glendale, AZ. Salt is mined from Luke Salt Body via solution mining wells. Existing Individual APP (Permit #100176).
BHP Miami	APP to include injection well field. Existing Individual APP Permit #101546.
City of Sedona Wastewater Reclamation Plant – Injection Test Well	Injection testing at the Sedona Wastewater Reclamation Plant (WWRP) using Class A+ reclaimed water to determine sustainable injection rates. Temporary APP 511189 was issued October 2013 and renewed until October 2015.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR

#### TASK 2.1 Groundwater Protection – Permits

Continued

Table 2 - RECHARGE FACILITY REVIEWS

ProjectName	Description
Pima County WWMD – Green Valley WW Reclamation Facility	APP Amendment to add a new lift station and effluent line. Effluent disposal is to four percolation ponds. APP P-100629.
City of Chandler – Ocotillo Water Reclamation Facility (USF Permit Application also)	Amendment to existing APP P-100140 to increase the permitted wastewater effluent volume from the wastewater treatment plant from 10 MGD to 15.5 MGD.
City of Cottonwood Riverfront Water Reclamation Facility (USF Permit application also)	Application for an individual APP, Inventory Number 511220. To permit a new wastewater treatment plant, including the disposal of up to 300,000 GPD of wastewater effluent for irrigation reuse or to an injection well.
Eloy Detention Center Water Reclamation Facility	Amendment to existing APP P-102749, including the addition of an additional recharge basin, and an increase of effluent disposal capacity from 622,000 GPD to 900,000 GPD.
Marana Water Reclamation Facility (USF Permit application also)	Amendment to APP P-100631 to increase the effluent disposal capacity from 0.7 MGD to 3.5 MGD. Includes the addition of two new treatment trains and three new recharge basins.
City of Glendale – Arrowhead Ranch WRF	Amendment to APP P-100385 to set alert levels and aquifer quality limits in a point of compliance well.
City of Chandler - Chandler Heights Recharge Facility (USF Permit amendment also)	Amendment to existing APP P-105482 to increase the effluent recharge limit to five on-site recharge basins from 2 MGD to 5 MGD.
City of Tucson – Southeast Houghton Area Recharge Project (USF Permit application also)	APP application for recharge facility utilizing three new recharge basins for disposal of wastewater effluent from the Tucson Reclaimed Water Treatment Plant. Inventory number 511628.
Liberty Utilities (Litchfield Park Water & Sewer) Corp.- Palm Valley Water Reclamation Facility	Amendment to current APP P-100310 to allow recharge of effluent to four infiltration basins.
Luke 303 Water Reclamation Facility (EPCOR West Valley Regional WRF) (USF Permit application also)	APP application for recharge of wastewater effluent to 13 on-site basins. Inventory number 511700.
Redrock Correctional Center	Amendment application to APP P-105663 upgrade the headworks at the wastewater treatment facility. Disposal includes four evaporation/percolation basins.
Bensch Ranch WWTP	Amendment application to APP P-105001 to change disposal method from AZPDES discharge to percolation ponds

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**    Groundwater Protection – Permits

Continued

Town of Gilbert South Recharge Site	Review of APP compliance schedule items relating to installation of four new point of compliance wells and an ambient groundwater monitoring program. APP P-105302.
City of Chandler - Ocotillo Brine Reduction Facility (USF Permit amendment also)	Amendment to existing APP P-102865 to allow an additional source water and disposal to three additional APP recharge permit locations.
Verrado Water Reclamation Facility	Amendment to APP P-105202 to add a new effluent surface discharge point. Disposal locations include AZPDES discharge, reuse, and two vadose zone injection wells.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1**      Protect Human Health

**Program: GWR**

### **TASK 2.1**    Groundwater Protection – Permits

Continued

Table 3 - MITIGATION ORDER REVIEWS

ProjectName	Description
Bisbee Mitigation Order	Sulfate in groundwater from Freeport McMoRan Copper Queen Mine
Sierrita Mitigation Order	Sulfate in groundwater from Freeport McMoRan Sierrita Mine

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Carry out federal and state statutory requirements of the Arizona Pollutant Discharge Elimination System program to ensure discharges to surface waters will meet water quality standards and, therefore, will not degrade surface water quality. Maintain compliance through effective permitting in accordance with Department rules, practices, and policies.

#### 3.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report the number of permitting decisions on AZPDES individual permit applications.				
a.i Report numbers processed. Issued	NA	21	Water Permits	
a.ii Report numbers processed. Modified	NA	2	Water Permits	
a.iii Report numbers processed. Denied	NA	0	Water Permits	
a.iv Report numbers processed. Suspended	NA	0	Water Permits	
a.v Report numbers processed. Withdrawn/Revoked	NA	3	Water Permits	
a.vi Report numbers processed. Backlogged	NA	8	Water Permits	
b Coordinate with EPA on variance approval process and strategy.	NA	NA	Water Permits	
2 Process permit renewals for all expiring AZPDES permits with a goal of 90% current to minimize backlog. (Refer to AZPDES Renewal Permits Table following Task 1.3.1.). For purposes of this work plan, 'backlog' means an AZPDES application that is 6 mos. from expiration or a new application that has been in process over one year.	>90%	Individual Permits = 94% (132/140) General Permits = 88% (7/8) Combined = 94% (139/148)	Water Permits	
3 Phase I MS4 Permits				
a Review annual reports	8	7	Surface Water	
b Continue outreach efforts	6/30/2016		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 DELIVERABLES:

OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
4 Implement activities for MS4 Permittees					
a.i	Phase I Conduct one audit of each permittee once every five years	2 (EPA will conduct)		Surface Water	
b.i	Phase II Perform one audit of each permittee once every seven years	T = 8 Ongoing. Purchase order for contractor to conduct the audits executed in January 2016.	8 chandler, gilbert, Yuma County, Youngtown, ASU, UA, NAU, S Tucson,	Surface Water	
c	Refer facilities to the Compliance Section for inspections as needed	As needed	3 Small MS4s pending potential compliance action. Nogales, Douglas, Guadalupe	Surface Water	
5 Multi Sector General Permits					
a	Initiate Stakeholder meetings and prepare draft permit and fact sheet	7/1/2015		Surface Water	
b	Provide draft to U.S. EPA and stakeholders for informal review and comment	10/1/2015		Surface Water	
c	Public Notice	1/1/2016		Surface Water	
d	Issue final permit	3/1/2016		Surface Water	
6 AZPDES General Permits - Review and process applications, annual reports, DMRs and SWPPPs. Report applications processed:					

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
a.i Biosolids GP Notices of Intent	Semi-Annual	1 in FY16 (Total # of Filers = 8)	Surface Water	
a.ii Biosolids GP Notices of Termination	Semi-Annual	0	Surface Water	
b.i Infrequent discharge GP Notices of Intent	Semi-Annual	0 in FY16 (Total # of Filers = 2)	Surface Water	
b.ii Infrequent discharge GP Notices of Termination	Semi-Annual	0	Surface Water	
c.i Minor discharges GP Notices of Intent	Semi-Annual	1 in FY16 (Total # of Filers = 3)	Surface Water	
c.ii Minor discharges GP Notices of Termination	Semi-Annual	0	Surface Water	
d.i Multi-Sector General Permits Notices of Intent	Semi-Annual	Non-mining = 91 Mining = 12 Total = 103	Surface Water	
d.ii Multi-Sector General Permits Notices of Termination	Semi-Annual	Non-Mining = 64 Mining = 9 Total = 73	Surface Water	
d.iii Multi-Sector General Permits Certificate of No Exposure	Semi-Annual	new = 49 resubmission = 106	Surface Water	
e.i Stormwater Construction General Permits Notices of Intent	Semi-Annual	A = 1,968	Surface Water	
e.ii Stormwater Construction General Permits Notices of Termination	Semi-Annual	A = 1,729	Surface Water	



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 DELIVERABLES:					
OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
e.iii	Stormwater Construction General Permits Waivers	Semi-Annual	A = 84	Surface Water	
f.i.(1)	DeMinimis General Permits Notices of Intent Single source	Semi-Annual	A = 35	Surface Water	
f.i.(2)	DeMinimis General Permits Notices of Intent Area wide	Semi-Annual	A = 5	Surface Water	
f.ii	DeMinimis General Permits Notices of Termination	Semi-Annual	A = 37	Surface Water	
g.i	Pesticide General Permit Notices of Intent	Semi-Annual	A = 7	Surface Water	
g.ii	Pesticide General Permit Notices of Termination	Semi-Annual	A = 1	Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

3.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-AZPDES	11.97	617,806	271,835	398,026		1,287,667
Contract: MS4 Audits (PPG)					92,000	92,000
TOTALS	11.97	617,806	271,835	398,026	92,000	1,379,667

## End of Year Summary

### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
CHIMNEY ESTATES LLC	AZ0026999	Min	Issued			5/20/2015	61531	JM
TOWN OF BUCKEYE - SUNDANCE WRF (MAJOR MOD)	AZ0024881	Maj	Issued			6/4/2015	62501	RM
CITY OF PHOENIX - 24TH ST WATER TP	AZ0023426	Maj	Terminated By Permittee				NA	RC
CITY OF PHOENIX - DEER VALLEY WATER TP	AZ0023434	Maj	Terminated By Permittee				NA	RM
COOPER AND COMMERCE WQARF SITE	AZ0025801	Min	Terminated By Permittee				NA	JM
TOWN OF PRESCOTT VALLEY - WWTP (Major Mod)	AZ0025381	Maj	Issued			2/6/2015	61856	RC
VERRADO WATER RECLAMATION FACILITY - EPCOR	AZ0026794	Min	Issued			2/18/2015	61452	JM
Tempe Town Lake ** carryover	AZ0024490	Maj	New Application Pending				NA	NA
CITY OF KINGMAN -	AZ0025844	Maj	Issued			8/28/2015	62908	NA
Big Park Domestic WWID	AZ0024082	Min	Backlogged	12/1/2010	6/1/2010	5/26/2010	52778	SM
US NPS GCNP - North Rim WWTP	AZ0110426	Min	Backlogged	1/23/2011	7/23/2010	7/16/2010	52982	RC

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
US NPS GCNP - South Rim WWTP	AZ0022152	Min	Backlogged	2/24/2011	8/24/2010	8/24/2010	53126	RC
Jerome, Town of	AZ0021804	Min	Backlogged	10/23/2012	4/23/2012	4/18/2012	56012	RC
Houston Creek Landing	AZ0025305	Min	Backlogged	6/2/2013	12/2/2012	12/3/2012	57314	RC
Flagstaff Meadows WWTP (formerly Bellemont)	AZ0024708	Min	Backlogged	7/24/2013	1/24/2013	2/13/2013	57314	CC
Cottonwood, City of - WWTP	AZ0024716	Maj	Backlogged	5/6/2014	11/6/2013	11/7/2013	59016	JM
Festival Ranch WRF, Buckeye	AZ0025216	Maj	Issued	7/26/2014	1/26/2014	1/27/2014	59560	RC
BISON RANCH WWTP	AZ0025399	Min	Backlogged	12/17/2014	6/17/2014	10/14/2014	61334	JM
USDOI BR - YUMA DESALTING PLANT	AZ0025348	Maj	Issued	2/7/2015	8/7/2014	8/6/2014	60996	RM
CITY OF WINSLOW - WWTP	AZ0023833	Maj	Issued	3/8/2015	9/8/2014	9/8/2014	61207	RM
CITY OF TOMBSTONE - WWTP	AZ0025577	Min	Issued	4/27/2015	10/27/2014	9/22/2014	61250	SK
TOWN OF FLORENCE - South WWRF	AZ0025208	Maj	Issued	7/6/2015	1/6/2015	1/6/2015	61665	RM
CITY OF MESA - GREENFIELD WATER RECLAMATION PLANT	AZ0025241	Maj	Issued	8/10/2015	2/10/2015	1/8/2015	61664	JM
PINEWOOD SANITARY DISTRICT - KAY S BLACKMAN WWTP	AZ0025879	Min	Issued	10/14/2015	4/14/2015	4/14/2015	62234	SK
Resolution Copper	AZ0020389	Maj	Renewal In Process	1/9/2016	7/9/2015	7/9/2015	6270	RC
TRIBUTE	AZ0025984	Min	Issued	1/11/2016	7/11/2015	7/7/2015	62727	SK

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
CITY OF GLOBE - PINAL CREEK WWTP	AZ0020249	Maj	Issued	2/9/2016	8/9/2015	8/7/2015	62836	RM
VIRGIN RIVER DWID WWTP	AZ0023655	Min	Issued	2/13/2016	8/13/2015	8/13/2015	62856	SK
CITY OF GOODYEAR - 157TH AVE WWTP	AZ0022357	Maj	Issued	3/16/2016	9/16/2015	8/29/2015	62909	SK
SRP - ADMINISTRATIVE OFFICES	AZ0024341	Min	Granted	3/17/2016	9/17/2015	9/16/2015	62982	JM
FREESCALE SEMICONDUCTOR	AZ0025861	Min	Renewal In Process	3/24/2016	9/24/2015	9/23/2015	NA	NA
MIAMI WASTEWATER RECLAMATION FACILITY	AZ0025909	Min	Issued	4/7/2016	10/7/2015	10/1/2015	63072	RM
AG&F - CANYON CREEK FISH HATCHERY	AZ0021229	Min	Renewal In Process	4/27/2016	10/27/2015	10/22/2015	63170	JM
CITY OF SIERRA VISTA - WWTP	AZBG26000	Min	Issued	5/8/2016	11/8/2015		NA	SK
USDOI- NPS - INDIAN GARDENS PUMP STATION	AZ0023621	Min	Issued	5/9/2016	11/9/2015	11/23/2015	63311	NA
PIMA COUNTY - WWMD - MOUNT LEMMON WWTP	AZ0022250	Min	Granted	5/10/2016	11/10/2015	11/9/2015	63232	SK
MOTOROLA - NIBW AREA 12 - TREATMENT FACILITY	AZ0025933	Min	Issued	5/25/2016	11/25/2015	11/16/2015	63277	RM
TUSAYAN SANITARY DISTRICT	AZMW2347	Min	Issued	6/20/2016	12/20/2015	12/16/2015	63386	JM
TOWN OF KEARNY - NEW WWTP	AZ0024449	Min	Issued	6/30/2016	1/2/2015	12/31/2015	63457	NA

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.1 Arizona Pollutant Discharge Elimination System (AZPDES)

Continued

#### 3.1 AZPDES RENEWAL PERMITS

Permittee	AZPDES #	TYPE	Application Status	Permit Exp Date	Date Appl Due	App Received	LTFNum	Proj Mgr
USDOI FW - WILLOW BEACH NATL FISH HATCHERY	AZ0000132	Min	Issued	6/30/2016	12/30/2015	11/16/2015	63278	JM
USDOI NPS - GRAND CANYON NP - DESERT VIEW WWTP	AZ0023612	Min	Renewal In Process	10/12/2016	4/12/2016		NA	RM
CITY OF BENSON - WWTF	AZ0026026	Maj	Renewal In Process	10/24/2016	4/24/2016	4/26/2016	63971	RM
BRADSHAW MOUNTAIN RV RESORT	AZ0024741	Min	Renewal In Process	11/30/2016	5/30/2016	5/26/2016	64115	SK
CITY OF KINGMAN -	AZ0026018	Min	Renewal In Process	12/20/2016		6/22/2016	64282	RM
TOWN OF MAMMOTH - CIELO WWTP	AZ0025470	Min	Renewal Application Pending	12/27/2016	6/27/2016		NA	NA
TOWN OF WICKENBURG - WWTP	AZ0020044	Min	Renewal In Process	12/27/2016	6/27/2016			RC

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.2 CWA 401 Certification Review of Federal Permits and Licenses**

Conduct CWA §401 Certification program to ensure activities being proposed for federal permits or licenses will meet surface water quality standards.

#### **3.2 DELIVERABLES:**

<b>OUTPUT DESCRIPTION</b>	<b>Target</b>	<b>Actual</b>	<b>Responsible Section</b>	<b>Grant</b>
1 Report certification decisions on State 401 applications. (Refer to 401 Certification Actions Table following Task 3.2) Report certification decisions.				PPG
a Regional CWA 404 general permits	Semi-Annual		Surface Water	
b Individual CWA 404 permits	Semi-Annual		Surface Water	
c Nationwide CWA 404 permits	Semi-Annual		Surface Water	
d Other federal permit or licenses applications	Semi-Annual		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.2 CWA 401 Certification Review of Federal Permits and Licenses

Continued

3.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.41	24,399	10,736	15,719		50,854
TOTALS	<b>0.41</b>	<b>24,399</b>	<b>10,736</b>	<b>15,719</b>		<b>50,854</b>

### End of Year Summary

#### 3.2 Table 1 - 401 CERTIFICATION ACTIONS

ADEQ LTF No.	CoE Number	Issued	Project	Type
63128	SPL-2006-00133-DE	10/16/2015	Scorpion Bay Marina & Yacht Club Project	Individual CWA 404 permits
62707	SPL-2015-469-RJD, SPL-2015-477-RJD, SPL-2015-478-RJD	7/24/2015	AZ ERFO 42(1)	Nationwide CWA 404 permits
62793	N/A	7/31/2015	Black Bridge Crossing Project	Nationwide CWA 404 permits
62829	N/A	8/11/2015	Katherine Landing Access Project	Nationwide CWA 404 permits
62855	SPL-2012-101-KAT	8/14/2015	Various Bridges Modification	Nationwide CWA 404 permits
62848	N/A	8/14/2015	Lee's Ferry ERFO Repairs Project	Nationwide CWA 404 permits
62843	N/A	8/14/2015	Eagle Crest Ranch Project	Individual CWA 404 permits
62686	SPL-2014-00625-KAT	10/27/2015	ADOT Statewide RPG 96	Regional CWA 404 general permits
63070	SPL-2014-00196-KWG	10/2/2015	Sunset Road, Silverbell Road to I-10 Project	Nationwide CWA 404 permits
63383	SPL-2001-794-RJD	12/16/2015	Town of Marana Silverbell/Ina Road Imp.	Individual CWA 404 permits
63142	N/A	10/21/2015	Bush Highway Asphalt-Rubber Overlay Project	Nationwide CWA 404 permits
63165	SPL-2014-44-PC	12/15/2015	Rancho Paloma Residential Development	Individual CWA 404 permits

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.2 CWA 401 Certification Review of Federal Permits and Licenses

Continued

63172	SPL-2015-00641-WHM	11/27/2015	Colorado River RV Resort Boat Ramp Repair Project	Individual CWA 404 permits
63171	984-0310-SDM	10/28/2015	SaddleBrooke Ranch Residential Development	Individual CWA 404 permits
63223	SPL-2013-00159-WHM	11/9/2015	Lake Havasu Boat Ramp and Parking Lot Project	Individual CWA 404 permits
63236	N/A	11/13/2015	Spruce Avenue Wash: Trax at Route 66 Project	Nationwide CWA 404 permits
63315	SPL-2013-00815-KAT	12/15/2015	SR 92 San Pedro River Bridge #449	Nationwide CWA 404 permits
62881	SPL-2015-100-RJD	8/26/2015	Nogalitos Detention Basin and Outfall Improvements Project	Nationwide CWA 404 permits



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.3 Regional Water Quality Management Planning

Carry out state and federal requirements of regional Water Quality Management Planning Program (CWA 208 Program). Track implementation of new WQM Plans (e.g., Yuma, SEAGO).

#### 3.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Process WQM Plan Amendments/Updates. Report status of amendments received. (Refer to Regional WQM Planning Activity table following Task 3.3)	6/30/2016	See table 3.3	Surface Water	604(b)XV
2 Process 208 conformance determinations. Report determinations. (Refer to Regional WQM Planning Activity table following Task 3.3)	6/30/2016	See table 3.3	Surface Water	604(b)XV
3 Revise State Water Quality Management Plan				PPG
a Conduct stakeholder process	9/30/2015	On hold	Surface Water	
b Draft Plan	12/30/2015	On hold	Surface Water	
c Finalize Plan	6/30/2016	On hold	Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.3 Regional Water Quality Management Planning

Continued

3.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.35	15,476	6,810	9,971		32,257
604(b)XV	0.65	28,742	11,208	17,874		57,824
Aid to Orgs: Council of Gov't (604(b) XV)					40,000	40,000
TOTALS	1.00	44,218	18,018	27,845	40,000	130,081

### End of Year Summary

CAG has completed the public hearing process for the draft 208 WQM plan update. ADEQ and other stakeholder comments are being incorporated into the draft document. The next step in approval is the CAG regional committee process.

The City of Buckeye has submitted a 208 amendment to provide for an additional discharge point to increase effluent reuse and possible recharge. ADEQ staff is currently reviewing the completed regional packet for ADEQ certification. There are no other amendments pending approval for the semi-annual report.

ADEQ staff began 208 process improvement meetings with the Maricopa Association of Governments in March 2015 and the process was completed in fall 2015. MAG has subsequently incorporated a streamlined process for their small wastewater treatment plant approval process.

ADEQ staff has attended the CAG Environmental Planning Committee meetings to advise CAG on the CAG 208 draft WQMP update. ADEQ has provided comments on the draft plan.

### 3.3 Table 1 - REGIONAL WATER QUALITY MANAGEMENT PLANNING

ProjectName	PlanningAgency	ReviewType	PermitType	Date Received	Date Completed
Mtn. View Church Septic System Expansion	SEAGO	Conformance		6/13/2016	6/17/2016
Volkswagen Proving Grounds Septics	CAG	Conformance		3/10/2016	3/24/2016
City of Chandler Ocotillo WRF APP modification	MAG	Conformance		12/30/2015	1/22/2016
CAG 208 Areawide WQM Plan	CAG	Amendments		11/1/2012	
City of Douglas WWTP Expansion	SEAGO	Conformance		7/20/2015	7/27/2015
Bill Rice Ranch On-site Septic System	NACOG	Conformance		4/8/2015	7/6/2015

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2**      Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.3   Regional Water Quality Management Planning**

Continued

City of Buckeye -	MAG	Amendments	1/8/2016	2/28/2016
Central WWTP. New				
AZPDES Outfall				

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.4 Surface Water Program Development

Perform support activities for surface water program including development of program rules, procedures, and policies.

#### 3.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Finalize triennial review				PPG
a Public notice draft rule Strategy 1.a.ii	7/31/2015	2/19/2016	Surface Water	
b Complete triennial review Strategy 1.a.ii	12/31/2015	6/30/2016	Surface Water	
2 Prepare draft narrative lakes nutrient criteria and implementations for EPA review	12/31/2015	6/30/2016	Surface Water	NPS in PPG
Initiate stakeholder process for Triennial Review				
Strategy 1.a.ii				

3.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	0.08	5,239	2,305	3,375		10,919
PPG	0.16	7,508	3,304	4,837		15,649
NPS in PPG	0.49	27,395	12,054	17,650		57,099
TOTALS	0.73	40,142	17,663	25,862		83,667

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.5 Ambient Monitoring Program

Conduct ambient monitoring program, which includes rivers and streams, lakes and reservoirs, groundwater, fish tissue and sediment sampling for priority pollutants. Monitoring to include targeted characterization, planning and/or probabilistic sites in support of 305(b) assessment process, maintaining designated uses, and CWA-SDWA coordination.

### 3.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct ambient monitoring program per FY16 sampling and analysis plan (SAP) throughout Arizona.				NPS in PPG, PPG
a Ambient stream sampling	200 stream samples	235	Surface Water	
Strategy 1.a.i				
b Groundwater sampling	50 groundwater samples	54	Surface Water	
Strategy 1.a.i				
c Lake sampling	120 lake samples	111	Surface Water	
Strategy 1.a.i				
d Fish sampling	60 fish samples	108	Surface Water	
Strategy 1.a.i				
2 Send FY16 SAP to EPA.	8/31/2015	5/19/2015	Surface Water	PPG
Strategy 1.a.i				
3 Prepare FY17 ambient monitoring plan	6/30/2016	6/15/2016	Surface Water	
Strategy 1.a.i				
4 Complete groundwater basin report for:				
a Salt River	3/31/2016	5/24/2016	Surface Water	
Strategy 1.a.i				

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.5 Ambient Monitoring Program

Continued

<b>3.5 FTE Funding Source</b>	<b>FTE</b>	<b>Personnel</b>	<b>ERE</b>	<b>Indirect</b>	<b>Others</b>	<b>Total</b>
WQARF NPS in PPG [Match]	3.51	169,677	74,658	109,316		353,651
WQARF	0.25	13,144	5,783	8,468		27,395
PPG	1.81	83,523	36,750	53,810		174,083
NPS in PPG	1.73	89,473	39,368	57,644		186,485
Contract: USGS (PPG)					90,000	90,000
Contract: Ambient Sampling (PPG)					178,000	178,000
Contract: Ambient Sampling (NPS in PPG)					70,000	70,000
TOTALS	<b>7.30</b>	<b>355,817</b>	<b>156,559</b>	<b>229,238</b>	<b>338,000</b>	<b>1,079,614</b>

**End of Year Summary**

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.6 106 Monitoring

Conduct monitoring Initiative (MI) program for implementation of Arizona approved comprehensive monitoring strategy.

#### 3.6 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct nutrient monitoring for Rivers and Streams per FY16 sampling and analysis plan. Strategy 1.a.i; Strategy 1.b.ii	Quarterly		Surface Water	NPS in PPG, 106 Mon - 5
2 Develop recreational monitoring program				NPS in PPG, PPG, 106 Mon - 5
a Establish policies and procedures to identify unsanitary beach conditions and work with land owners and health departments to protect human health. Strategy 1.a.i; Strategy 1.b.ii	7/31/2015	7/1/2015	Surface Water	
b Develop sampling protocols for monitoring streams and lakes for recreation. Strategy 1.a.i; Strategy 1.b.ii	8/31/2015	8/30/2015	Surface Water	
c Conduct outreach to possibly impacted groups (county health departments, USFS, state parks, cities, etc.) Strategy 1.a.i; Strategy 1.b.ii	12/31/2015	11/1/2015	Surface Water	
d Create sample plan Strategy 1.a.i; Strategy 1.b.ii	2/29/2016	2/29/2016	Surface Water	
e Complete sampling Strategy 1.a.i; Strategy 1.b.ii	6/30/2016		Surface Water	
3 Intermittent Streams				NPS in PPG, 106 Mon - 5
a Develop randomized network of flow sensors to develop intermittent stream target population and map. Strategy 1.a.i	8/31/2015	3/15/2015	Surface Water	
b Begin to deploy random network flow sensors Strategy 1.a.i	12/31/2015	8/1/2015	Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.6 106 Monitoring

Continued

#### 3.6 DELIVERABLES:

OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
c	Begin to identify intermittent stream indicators. Strategy 1.a.i	6/30/2016	6/30/2016	Surface Water	
d	Develop protocols and identify applicable labs. Strategy 1.a.i	6/30/2016	6/30/2016	Surface Water	
4	Develop strategy to expand monitoring program to support strategic planning performance measure to improve water quality in 50% of monitored waters of the state.	12/31/2015	12/31/2015		
5	Sample 19 sites selected by EPA for the National Wetland Condition Assessment	9/30/2016			106 Mon - 5

3.6 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	1.09	60,502	26,621	38,979		126,102
PPG	0.46	21,207	9,331	13,663		44,201
NPS in PPG	0.08	3,754	1,652	2,418		7,824
106 Mon - 5	1.34	67,368	29,642	43,402		140,412
TOTALS	2.97	152,831	67,246	98,462		318,539

#### End of Year Summary



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.7 305(b) Water Quality Assessment Report and 303(d) List

Develop Integrated Report and list of impaired waters.

#### 3.7 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Develop 2016 305(b) Integrated Report and 303(d)-List				NPS in PPG, PPG
a Draft to public notice Strategy 1.a.i	1/31/2016	6/13/2016	Surface Water	
b 45-day AAR Notice begins Strategy 1.a.i	5/31/2016	6/13/2016	Surface Water	

3.7 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	0.38	16,646	7,324	10,724		34,694
NPS in PPG	0.87	48,538	21,357	31,271		101,166
TOTALS	1.25	65,184	28,681	41,995		135,860

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Plan and manage a Nonpoint Source (NPS) program, including the development of watershed planning documents (TMDLs, WQIPs and EPA-approved alternative plans) to improve surface water quality.

#### 3.8 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 In-progress traditional TMDLs to determine pollutant sources and load/waste load allocations.				NPS in PPG, PPG
a Complete TMDLs for Queen Creek (6)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
b Complete TMDLs for Pinto Creek (4)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
c Complete TMDLs for Middle Gila (2)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
d Continue data collection and analysis for Mule Gulch TMDLs (4)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
ei Complete TMDLs for Granite Creek (4)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
eii Complete TMDLs for Watson Lake (3)	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.i				
2 Water Quality Improvement Plans including WIP and TMDL elements.				NPS in PPG
a Complete inclusion of TMDL elements and refinement of project priorities to update Granite Creek WIP to a WQIP.	Semi-Annual Status Table Updates		Surface Water	
Strategy 1.c.iii				

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Continued

3.8 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b Continue data collection and analysis for Santa Cruz WQIPs (4).  Strategy 1.c.ii	Semi-Annual Status Table Updates		Surface Water	
c Expand San Pedro WIP to Mexican border and develop TMDL elements to create WQIP.  Strategy 1.c.iii	Semi-Annual Status Table Updates		Surface Water	
3 Focused TMDLs/Alternative plans/Data summaries/other .				NPS in PPG
a Complete Lyman Lake Hg data summary.  Strategy 1.c.iv	Semi-Annual Status Table Updates		Surface Water	
b Complete Rainbow Lake watershed coordination/data collection.  Strategy 1.c.iv	Semi-Annual Status Table Updates		Surface Water	
c Complete Davidson Canyon baseline monitoring.  Objective 1.c	Semi-Annual Status Table Updates		Surface Water	
4 NPS Program Planning.				NPS in PPG
a Identify high-priority restoration and protection watersheds for NPS resources and share with EPA/on ADEQ website.  Strategy 1.b.i; Strategy 1.b.ii	9/30/2015		Surface Water	
b.i WQIG Cycle development: Conduct workshops and other Cycle 17-related outreach.  Objective 2.a; Strategy 1.b.ii	10/30/2015		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities

Continued

3.8 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b.iii WQIG Cycle development: Accept and review Cycle 17 pre-proposals. Objective 2.a; Strategy 1.b.ii	12/31/2015		Surface Water	
b.iv WQIG Cycle development: Accept and review final Cycle 17 applications; make final awards. Objective 2.a; Strategy 1.b.ii	3/31/2016		Surface Water	
bi WQIG Cycle development: Release Cycle 17 RFGA. Objective 2.a; Strategy 1.b.ii	9/30/2015		Surface Water	
c Coordinate year one of jointly-funded grant opportunity with AZGFD. Objective 2.a; Objective 2.b; Objective 2.c; Objective 3.c	6/30/2016		Surface Water	
d Completion of FY17 Surface Water Section workplan draft and final submission to EPA. Objective 1.b	6/30/2016		Surface Water	
5 General oversight of existing partnership agreements with other state and federal agencies.				PPG
a Meet with partners to discuss NPS priorities and activities. Objective 3.c	12/31/2015		Surface Water	
b Coordinate with NRCS on National Water Quality Initiative (NWQI) planning and outreach activities for FY16. Strategy 3.b.ii; Strategy 4.a.i	6/30/2016		Surface Water	
c Participate in FY16 coordinated resource planning efforts of federal and state agencies. Strategy 3.b.ii; Strategy 3.c.i	6/30/2016		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.8 Watershed Plan and TMDL Development and Nonpoint Source Program Planning Activities**

Continued

<b>3.8 FTE Funding Source</b>	<b>FTE</b>	<b>Personnel</b>	<b>ERE</b>	<b>Indirect</b>	<b>Others</b>	<b>Total</b>
WQARF NPS in PPG [Match]	0.58	29,605	13,026	19,073		61,704
PPG	0.25	16,386	7,210	10,557		34,153
NPS in PPG	2.70	153,529	67,553	98,912		319,994
Contract: TMDL Sampling (PPG)					88,000	88,000
TOTALS	<b>3.53</b>	<b>199,520</b>	<b>87,789</b>	<b>128,542</b>	<b>88,000</b>	<b>503,851</b>

**End of Year Summary**

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Implement watershed planning documents and other projects to protect and restore surface water quality. Conduct effectiveness monitoring and evaluations to track resulting water quality improvements. Report on NPS program progress and successes.

#### 3.9 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Oversee ongoing implementation projects and technical support contracts to ensure timely completion.  Objective 2.a; Strategy 3.b.iii	Semi Annual Status Table Update		Surface Water	NPS in PPG
2 Effectiveness monitoring and BMP evaluations.				NPS in PPG
a Little Colorado River Headwaters.  Strategy 4.a.i	Semi Annual Status Table Update		Surface Water	
b San Pedro River  Strategy 4.a.i	Semi Annual Status Table Update		Surface Water	
c Granite Creek  Strategy 4.a.i	Semi Annual Status Table Update		Surface Water	
d Other MTL waters.  Strategy 4.a.i	Semi Annual Status Table Update		Surface Water	
3 Implement general nonpoint source education, outreach, and technical support activities as requested.				NPS in PPG
a Statewide education and outreach. Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b	6/30/2016		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b GIS and mapping assistance for internal and external customers. Strategy 1.c.ii; Strategy 1.c.iii; Strategy 2.b.i; Objective 3.b	6/30/2016		Surface Water	
4 Report internally, to EPA, and to the public on NPS Program progress and success.				NPS in PPG
a.i NPS Annual Report Draft Objective 4.b	7/31/2015		Surface Water	
a.ii NPS Annual Report Final Objective 4.b	9/30/2015		Surface Water	
b Workplan reporting Objective 4.b	Bi-annually		Surface Water	
c NWQI reporting Objective 4.b	6/30/2016		Surface Water	
d Continue development of the Water Quality Index (WQI) tool and report on progress toward Water Quality Division performance measure. Objective 4.b	Monthly		Surface Water	
e Develop list of potential waters for WQ-10 and/or SP-12 reporting to EPA. Objective 4.b	12/31/2015		Surface Water	
f Draft and submit two WQ-10 and/or SP-12 reports to EPA. Objective 4.b	6/30/2016		Surface Water	
g Work with EPA to calculate and submit federal FY15 end-of-year results and submit draft final commitments for federal FY16 for WQ-27. Objective 4.b	10/31/2015		Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

#### 3.9 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
h Enter load reduction data into GRTS in accordance with EPA requirements and deadlines and ensure mandated elements are up to date for existing projects. Objective 4.b	2/15/2016		Surface Water	
l Enter mandated elements into GRTS for all new projects; update for existing projects as needed. Objective 4.b	6/30/2016		Surface Water	
j Conduct monthly update calls with EPA Region 9. Objective 4.b	Monthly		Surface Water	



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

3.9 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQARF NPS in PPG [Match]	1.25	70,807	31,155	45,618		147,580
NPS in PPG	4.67	233,680	102,819	150,549		487,048
Aid to Orgs: NPS Projects (NPS Proj 26)					1,243,000	1,243,000
TOTALS	5.92	304,487	133,974	196,167	1,243,000	1,877,628

### End of Year Summary

#### Tasks 3.8 and 3.9

Task #: 3.9 Project Name: WQIG#15-001: Sands Ranch Brush Eradication Project Type: NPS Implementation

Purpose: WQIG Pollutant: E. coli

Milestone: 1) Site visits conducted quarterly  
Completed on 12/31/2015

Task #: Project Name: Prescott Rodeo Grounds Project Project Type: NPS Implementation

Purpose: WQIG Pollutant: E. coli

Milestone: Completed June 30, 2016

Task #: Project Name: Cycle 16 Oak Creek Ambassadors Project Project Type: NPS Implementation

Purpose: WQIG Pollutant: E. coli

Milestone: Will close August 31, 2016

Task #: Project Name: Cycle 16 Sands Ranch Grant Project Type: NPS Implementation

Purpose: WQIG Pollutant: E. coli

Milestone: Will close August 31, 2016

Task #: Project Name: Cycle 16 Curtis Ranch Grant Project Type: NPS Implementation

Purpose: WQIG Pollutant: E. coli

Milestone: Completed June 30, 2016

Task #: Project Name: ADEQ/AGFD Implementation Partnership Project Type: NPS Implementation

Purpose: WQIG Pollutant: Various

Milestone: Will close May 31, 2017

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

#### Tasks 3.8 and 3.9

Task #: 3.8	Project Name: Mule Gulch	Project Type: Traditional TMDL; Effectiveness Monitoring
	Purpose: Plan Development; WQD PM	Pollutant: Dissolved Cu
	Milestone: 1) Complete sampling (10/1/15) 2) Determine if delist or TMDL report is required (11/9/15)	
Task #:	Project Name: Granite Creek WQIP	Project Type: WQIP (combined)
	Purpose: Plan Completion	Pollutant: E. coli
	Milestone: 1) Draft update WIP with TMDL elements included (7/31/15) 2) Post final updated plan to website pending EPA approval of TMDL (9/30/15)	
Task #:	Project Name: Santa Cruz WQIP	Project Type: WQIP (combined)
	Purpose: Plan Development	Pollutant: E. coli
	Milestone: 1) Data collection (6/30/16) 2) Begin drafting WQIP (1/1/16)	
Task #:	Project Name: San Pedro WQIP	Project Type: WQIP (combined)
	Purpose: Plan Completion	Pollutant: E. coli
	Milestone: 1) Meet with stakeholders (7/15/15) 2) Finalize SAP (7/30/15) 3) Train volunteers and initiate data collection (8/30/15)	
Task #:	Project Name: Lyman Lake	Project Type: Alternative Approach; Effectiveness Monitoring
	Purpose: Data Summary	Pollutant: Hg
	Milestone: 1) Complete data summary (11/20/15)	
Task #:	Project Name: Rainbow Lake	Project Type: Alternative Approach
	Purpose: Plan Development	Pollutant: Nutrients
	Milestone: 1) Complete sampling by 9/30/15) 2) Coordinate planning activities with watershed stakeholders (10/31/15)	
Task #:	Project Name: Davidson Canyon	Project Type: Alternative Approach
	Purpose: Data Summary	Pollutant: metals
	Milestone: 1) Complete baseline sampling (6/30/15)	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

Tasks 3.8 and 3.9

Task #:	Project Name: Watson Lake TMDL	Project Type: Traditional TMDL
	Purpose: Plan Completion	Pollutant: Nutrients, high pH, low DO
	Milestone: 1) Submit to EPA for approval (8/30/15)	
Task #: 3.9	Project Name: WQIG #14-002: San Francisco River Restroom	Project Type: NPS Implementation
	Purpose: WQIG	Pollutant: E. coli
	Milestone: 1) Site visits conducted quarterly Completed 12/31/15	
Task #: 3.8	Project Name: Granite Creek TMDL	Project Type: Traditional TMDL
	Purpose: Plan Completion	Pollutant: E. coli
	Milestone: 1) AAR Notice begins (7/15/15) 2) Submit to EPA (9/18/15)	
Task #: 3.9	Project Name: WQIG #15-002: Three Brothers Ranch	Project Type: NPS Implementation
	Purpose: WQIG	Pollutant: E. coli
	Milestone: 1) Site visits conducted quarterly Will be completed September 30, 2016.	
Task #:	Project Name: WQIG #15-003: Stamp Springs Protection and Restoration	Project Type: NPS Implementation
	Purpose: WQIG	Pollutant: Sediment
	Milestone: 1) Site visits conducted quarterly Project was cancelled.	
Task #:	Project Name: WQIG #15-004: Settlers Rest Stormwater Project	Project Type: NPS Implementation
	Purpose: WQIG	Pollutant: E. coli
	Milestone: 1) Site visits conducted quarterly Completed	
Task #:	Project Name: WQIG #15-005: Upper LCR Water Quality Improvement Project	Project Type: NPS Implementation
	Purpose: WQIG	Pollutant: Sediment
	Milestone: 1) Site visits conducted quarterly Will be completed on November 30, 2016.	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting

Continued

#### Tasks 3.8 and 3.9

Task #:	Project Name: LCR Effectiveness Monitoring and BMP Evaluations	Project Type: Effectiveness Monitoring; BMP Evaluation
	Purpose: WQIG; NWQI; WQD PM	Pollutant: Sediment
	Milestone: Q4 covers Q2 to the end of the FY 16.	
Task #:	Project Name: San Pedro Effectiveness Monitoring and BMP Evaluations	Project Type: Effectiveness Monitoring; BMP Evaluation
	Purpose: WQIG; NWQI; WQD PM	Pollutant: E. coli
	Milestone: Q4 covers Q2 to the end of the FY 16.	
Task #:	Project Name: Granite Creek Effectiveness Monitoring and BMP Evaluations	Project Type: Effectiveness Monitoring; BMP Evaluation
	Purpose: WQIG; WQD PM	Pollutant: E. coli
	Milestone: 1) Finalize SAP Q4 covers Q2 to the end of the FY 16.	
Task #:	Project Name: Other MTL waters (TBD)	Project Type: Effectiveness Monitoring
	Purpose: WQD PM	Pollutant:
	Milestone: TBD	
Task #: 3.8	Project Name: Pinto Creek TMDL	Project Type: Traditional TMDL
	Purpose: Plan Completion	Pollutant: Dissolved Cu
	Milestone: 1)AAR Notice begins (8/7/15) 2)Submit to EPA (10/12/15)	
Task #:	Project Name: Middle Gila TMDLs	Project Type: Traditional TMDL
	Purpose: Plan Completion	Pollutant: Total B, Total Se
	Milestone: 1) AAR Notice begins (8/7/15) 2)Submit to EPA (10/12/15)	
Task #:	Project Name: Queen Creek TMDL	Project Type: Traditional TMDL
	Purpose: Plan Completion	Pollutant: Dissolved Cu, total Pb
	Milestone: 1)Public comment period begins (8/3/15) 2)AAR Notice begins (11/6/15) 3)Submit to EPA (1/18/16)	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: SWR**

### **TASK 3.9 NPS Project Implementation, Effectiveness Monitoring/Evaluation, and Reporting**

Continued

#### Tasks 3.8 and 3.9

Task #: 3.9	Project Name: Hillside Mine Lower Tailings Pile Reclamation Project (tentative)	Project Type: NPS Implementation;
	Purpose: WQIG	Pollutant: As, Cu, Zn
	Milestone: TBD	
Task #:	Project Name: U of A Technical Support ISA	Project Type: WQIP (combined); Effectiveness Monitoring
	Purpose: WQIG; Plan Development;	Pollutant:
	Milestone: Conduct volunteer monitoring training in Santa Cruz and San Pedro watersheds.	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.1 Drinking Water Compliance and Enforcement

Conduct compliance inspections of drinking water systems. Investigate and resolve complaints relating to regulated facilities. Respond to drinking water emergencies.

Evaluate, prepare and take informal and formal enforcement actions for violations of state drinking water program statutes and rules and for violations of delegated federal SDWA statutes and rules. Utilize community liaisons to track progress towards meeting compliance schedules. Submit the updated Enforcement Protocol Response (ERP) report within 3 weeks of receipt. Transmit the inspection report to the Drinking Water Monitoring Unit for SDWIS data entry.

#### 4.1 DELIVERABLES:

OUTPUT DESCRIPTION		Target	Actual	Responsible Section	Grant
1 Report number of Drinking water sanitary surveys conducted, prioritized by date of last survey.					Wellhead, DWSRF 10%
a	Scheduled inspections of all surface water (SW), surface water purchased (SWP) or ground water under the direct influence of surface water (GWUDI) primary source PWSs are on a three-year cycle.	6	6	Compliance SRO	
a	Scheduled inspections of all surface water (SW), surface water purchased (SWP) or ground water under the direct influence of surface water (GWUDI) primary source PWSs are on a three-year cycle.	13	11	Compliance PHX	
b	Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	41	39	Compliance SRO	
b	Scheduled inspections of all non-community ground water (GW) or ground water purchased (GWP) primary source PWSs are on a five-year cycle.	130	109	Compliance PHX	
c	Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	44	52	Compliance SRO	
c	Scheduled inspections of all GW and GWP primary source community systems are on a three-year cycle.	149	163	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.1 Drinking Water Compliance and Enforcement

Continued

4.1 DELIVERABLES:				Responsible	
OUTPUT DESCRIPTION		Target	Actual	Section	Grant
d	Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	0	0	Compliance SRO	
d	Scheduled inspections of all Outstanding Performers (GW and GWP) on a five-year cycle.	0	0	Compliance PHX	
e	Populate SDWIS sanitary survey fields	6/30/2016	7/25/2016	Compliance	
2	Report the total number of complaints investigated related to drinking water.	Quarterly	38	Compliance	PPG
3	Report the total number of complaints/non-routine drinking water inspections.	Quarterly	11	Compliance	PPG
4	Report the total number of informal Drinking Water Enforcement Actions.				PPG
a.	Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued	Semi-Annual	143	Compliance	
b.	Number of NOC/NOV Closures	Semi-Annual	144	Compliance	
5	Report the total number of formal Drinking Water Enforcement Actions.				PPG
a.	Number of Administrative Orders issued.	Semi-Annual	9	Compliance	
b.	Number of Administrative Orders terminated	Semi-Annual	6	Compliance	
6	Evaluate and respond to EPA's July 2015 Enforcement Tracking Tool (ETT) Report.				PPG, DWSRF 10%
a.	Based on the ERP report generated, address all public water systems with a score of 11 or higher.	Report Quarterly		Compliance	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.1 Drinking Water Compliance and Enforcement

Continued

#### 4.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b. During the quarterly conference calls between ADEQ and EPA Enforcement Division, discuss and identify EPA/State workshare (i.e. list of specific systems) for addressing public water systems with a score of 11 or higher.	Quarterly		Compliance	
7 Hold monthly meetings and/or conference calls with EPA to discuss drinking water enforcement. Document agreement on discussed items and follow up actions	Monthly		Compliance	

4.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-APP PPG [Match]	0.48	24,193	10,645	15,587		50,425
WQFF-APP	1.38	78,816	34,679	50,778		164,273
Wellhead	0.57	25,829	11,365	16,640		53,834
SDW (VEI)	3.41	177,958	78,302	114,651		370,911
PPG	3.20	134,428	59,148	86,606		280,182
DWSRF 10%	1.49	72,981	32,112	47,018		152,111
TOTALS	10.53	514,205	226,251	331,280		1,071,736

#### End of Year Summary

The total target number for sanitary surveys for FY16 was 383. ADEQ completed 380 sanitary surveys. The remaining surveys that were scheduled for FY16 but not completed will be done in the first round of inspections in FY17. All systems due for a sanitary survey in calendar year 2016 will be completed by December 31, 2016.

ADEQ continues to work to address all systems that have a score above 11 on the quarterly ETT list. Data lag continues to be an issue for determining whether a system is out of compliance. There were 58 systems with a score of 11 or greater on the July 2015 ETT list. As of the July 2016 list, 31 of those systems had a score of 11 or less and another 6 systems have effective orders and ADEQ expects them to drop below 11 on future ETT lists.



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.2 Groundwater Compliance and Enforcement

Implement measures to protect Arizona aquifers that serve as drinking water sources. Evaluate, prepare and take informal and formal enforcement actions for violations of state water quality statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules.

#### 4.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Report number of inspections of facilities possessing the following permit types according to risk-based inspection criteria.				PPG, Wellhead, DWSRF 10%
a. Individual APP; General APP/GQPP/NOD	32 (including Reuse Inspections)	n/a	Compliance SRO	
a. Individual APP; General APP/GQPP/NOD	89 (including Reuse Inspections)	90	Compliance PHX	
b. Reuse	See above.	n/a	Compliance SRO	
b. Reuse	See above	26	Compliance PHX	
2 Report total number of Informal Groundwater Enforcement Actions				PPG
a. Number of Notices of Opportunity to Correct (NOCs) and/or Notices of Violation (NOVs) issued.	Semi-Annual	16	Compliance PHX	
b. Number of NOC/NOV Closures issued	Semi-Annual	33	Compliance PHX	
3 Report total number of Formal Groundwater Enforcement Actions.				PPG
a. Number of Administrative Orders issued.	Semi-Annual	3	Compliance PHX	
b. Number of Administrative Orders terminated	Semi-Annual	5	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

### OBJECTIVE 2.1 Protect Human Health

Program: GWR, DWR

#### TASK 4.2 Groundwater Compliance and Enforcement

Continued

4.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-APP PPG [Match]	0.41	19,123	8,414	12,320		39,857
WQFF-APP DWSRF Federal [Match]	1.22	48,303	21,253	31,120		100,676
WQFF-APP	5.03	266,077	117,074	171,421		554,572
Wellhead	2.11	116,351	51,194	74,960		242,505
PPG	2.80	119,182	52,440	76,784		248,406
DWSRF 10%	1.24	58,228	25,620	37,514		121,362
TOTALS	12.81	627,264	275,995	404,119		1,307,378

#### End of Year Summary

4.2.1. At mid-year, the SRO Compliance Unit was incorporated into the Water Quality Compliance Section (WQCS). Therefore, the SRO numbers will not be reported separately for the remainder of the fiscal year. The total number of inspections to be completed was 121. The WQCS missed the commitment by 16 inspections. The WQCS was experiencing a short-fall of inspections due to staff turn-over and chose to prioritize drinking water inspections due to their higher risk to human health. The Water Quality Division recently reorganized their sections into value streams to avoid these types of issues in the future.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### **TASK 4.3 Surface Water Compliance and Enforcement**

Conduct site inspections of AZPDES regulated facilities. AZPDES inspection reports will encompass applicable activities as described in the NPDES Compliance Inspection Manual (EPA 305-x-04-001, July 2004).

Pretreatment audits and inspections shall be performed in accordance with "Pretreatment Compliance Inspection and Audit Manual for Approval Authorities" (EPA 833/B-86-100, July 1986)

Review each AZPDES permit application from publicly owned treatment works (POTW) without a pretreatment program to determine whether any significant industrial users (SIU) are discharging to the POTW. If so, require the POTW to develop a pretreatment program (full or SIU oversight only) in the subsequent permit or alternatively add the SIUs to the State's SIU inventory.

Review and approve new programs (full or SIU-oversight only) and changes to approved pretreatment programs submitted by POTWs. Provide written analyses to the POTWs when such submittals are unprovable.

Evaluate, prepare, and take informal and formal enforcement actions for violations of water quality statutes, rules and permit conditions and federal CWA statutes, rules and permit conditions. Utilize community liaisons to track progress towards meeting compliance schedules.

Enter discharge monitoring report data into ICIS for major and minor facilities in accordance with EPA WENDB requirements within 20 days of receipt.

Enter permit and facility inspection and enforcement action information into ICIS in accordance with EPA WENDB requirements within 30 days of receipt: a. Permit and facility data (majors and minors); b. Inspection data (majors/minors); c. Enforcement Action (majors/minors)

#### **4.3 DELIVERABLES:**

<b>OUTPUT DESCRIPTION</b>		<b>Target</b>	<b>Actual</b>	<b>Responsible Section</b>	<b>Grant</b>
1 AZPDES inspections:					PPG
a.	Perform scheduled compliance inspections of all major facilities that are operational every other year.	5	n/a	Compliance SRO	
a.	Perform scheduled compliance inspections of all major facilities that are operational every other year.	30 (35 overall)	33 (combined SRO and PHX)	Compliance PHX	
b.	Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	16 (18 overall)	27 (combined SRO and PHX)	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program:** GWR, SRW

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b. Perform scheduled compliance inspections of AZPDES minor point source facilities at least once in permit term.	2	n/a	Compliance SRO	PPG
c. ADEQ will continue negotiations toward a risk-based approach for inspection to EPA.	6/30/2016		Compliance PHX	
2 Conduct inspections of stormwater facilities subject to general permitting requirements				
a. Industrial	13	n/a	Compliance SRO	
a. Industrial	37 (50 overall)	46 (combined SRO and PHX)	Compliance PHX	
b.i. Phase 1 (facilities larger than 5 acres)	8	n/a	Compliance SRO	
b.i. Phase 1 (facilities larger than 5 acres)	22 (30 overall)	27 (combined SRO and PHX)	Compliance PHX	
b.ii. Phase 2 (facilities between 1-5 acres) *Inspections of facilities that do not have permit coverage but are subject to general permitting requirements shall count toward the total number of inspections.	6/30/2016	n/a	Compliance SRO	
b.ii. Phase 2 (facilities between 1-5 acres) *Inspections of facilities that do not have permit coverage but are subject to general permitting requirements shall count toward the total number of inspections.	6/30/2016	9 (combined SRP and PHX)	Compliance PHX	
3 Perform compliance inspections of CAFO/AFO facilities (permitted and unpermitted).				

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
a. Inspect all AZPDES permitted CAFOs on a five-year cycle.	6/30/2016	0	Compliance PHX	
b. Inspect unpemitted CAFOs, as needed	6/30/2016	2	Compliance PHX	
4 Biosolids Inspections				
a. Wastewater treatment plants that land apply or surface dispose biosolids once every five years (20/5).	5	3	Compliance PHX	
b. Large commercial applications annually.	4	2	Compliance PHX	
c. Small commercial applicators at least every other year; applicators applying to their own fields at least twice every five years.	2	1	Compliance PHX	
5 Review annual reports submitted under biosolids rule.	28	31	Compliance PHX	
6 Manage the pretreatment program.				PPG
a. Review the annual reports submitted by each POTW with an approved pretreatment program and provide written feedback when program deficiencies are found.	20	20	Compliance PHX	
b. Conduct pretreatment audits (PCA) of approved pretreatment programs. The audit shall include at least two inspections of significant industrial users to independently validate the application and implementation of pretreatment standards and requirements.	4	4	Compliance PHX	
c. Conduct pretreatment compliance inspections (PCIs) for approved pretreatment programs. A PCI shall not be conducted in the same year as a pretreatment audit.	8	9	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program:** GWR, SRW

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
d. Perform an inspection at each POTW with an SIU-oversight only pretreatment program. The focus of these inspections is solely to ensure that SIUs are complying with pretreatment standards and requirements.	Once in 5 years	3	Compliance PHX	
7 Report the total number of sanitary sewers inspected.	6	0	Compliance PHX	
8 Report total number of complaints relating to Clean Water Act.				PPG
a. Compliants received.	6/30/2016	15	Compliance PHX	
b. Number of complaint/non-routine surface water inspections.	6/30/2016	30	Compliance PHX	
9 Report a list of informal enforcement actions issued and closed for any data not reported to ICIS:				
a. MSGP Issued; Closed	Quarterly	6	Compliance PHX	
b. CGP Issued; Closed	Quarterly	14	Compliance PHX	
c. Biosolids Issued;Closed	Quarterly	0	Compliance PHX	
d. CAFO Issued; Closed	Quarterly	1	Compliance PHX	
10 Report a list of formal enforcement actions for any data not reported to ICIS.				
a. Administrative orders issued	Quarterly	0	Compliance PHX	
b. Administrative orders terminated.	Quarterly	0	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program:** GWR, SRW

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

4.3 DELIVERABLES:				
OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
11 Complete a review and provide a response to automated QNCR (major/minor) data to identity and data inaccuracies				
a.	9/15/2015	9/15/2015	Compliance PHX	
b.	12/15/2015	12/15/2015	Compliance PHX	
c.	3/16/2016	3/16/2016	Compliance PHX	
d.	6/16/2016	6/16/2016	Compliance PHX	
12 Hold meetings and/or conference calls with EPA to discuss timely and appropriate CWA enforcement. (*) Document agreement on discussed items on follow up actions. One call each quarter will be devoted to discussing the QNCR/QNVR list and the details of actions taken on each SNC on the QNCR list.	Monthly	Held monthly meetings	Compliance PHX	
13 Update the Compliance Monitoring Strategy Worksheet for FY17.	8/1/2016	ADEQ is waiting guidance from the EPA regarding changes to the form.	Compliance PHX	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.2** Protect and Restore Watersheds and Aquatic Ecosystems

**Program: GWR, SRW**

### TASK 4.3 Surface Water Compliance and Enforcement

Continued

<b>4.3 FTE Funding Source</b>	<b>FTE</b>	<b>Personnel</b>	<b>ERE</b>	<b>Indirect</b>	<b>Others</b>	<b>Total</b>
WQFF-AZPDES PPG [Match]	0.83	38,496	16,938	24,801		80,235
WQFF-AZPDES NPS in PPG [Match]	0.43	22,679	9,979	14,611		47,269
WQFF-AZPDES	6.99	379,446	166,956	244,460		790,862
PPG	3.46	161,988	71,275	104,362		337,625
TOTALS	<b>11.71</b>	<b>602,609</b>	<b>265,148</b>	<b>388,234</b>		<b>1,255,991</b>

**End of Year Summary**



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.1 Division & Section Management & Support

Manage Water Quality Division and Section programs. Perform managerial, administrative, and other program duties. Advise management team and provide guidance and training to staff. Provide program oversight and guidance to regional staff performing tasks under the integrated work plan. Coordinate development and implementation of delegation agreements. Coordinate necessary rules and policy development for division programs. Provide senior level technical, regulatory and hydrologic support to the Division Director, the Water Quality Division, and the agency. Develop concise, comprehensive, and technically and legally defensible products supporting development, implementation, and interpretation of WQD programs. Process fees and related administrative tasks for the Division.

#### 5.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Participate in EPA/ADEQ grant meetings:				PPG
a End of year review for FY15	9/30/2015	12/17/2015	All Sections	
b Mid-year review for FY16	2/29/2016	4/6/2016	All Sections	
c EPA negotiation meetings for FY17	3/31/2016	4/6/2016	All Sections	
2 Manage division rules agenda				PPG
a 5-year reviews	6/30/2016	ongoing	Director	
b Executive Order 2015-01 reducing regulatory burden	8/1/2015	8/31/2015	Director	
c Rule packages with governor's exemption	6/30/2016	ongoing	Director	
3 Manage receipt of fees and permit invoicing for the Division	6/30/2016	ongoing	Deputy Director	
4 If resources are available, ADEQ will attend the:				
a Fall ASDWA meetings and associated ASDWA-EPA roundtable discussions.	10/30/2015	10/22/2015	Drinking Water	
b Spring ASDWA meetings and associated ASDWA-EPA roundtable discussions.	4/30/2016	3/24/2016	Drinking Water	
5 If resources are available, ADEQ will attend the EPA Region 9 State Directors meeting.	6/30/2016	No meeting was held in FY16	Drinking Water	
6 If resources available, ADEQ will participate in rule development workgroups/workshops as requested by ASDWA or EPA.	6/30/2016		Drinking Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.1 Division & Section Management & Support

Continued

#### 5.1 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
7 In keeping with EPA Region 9's Greening Grants Policy, ADEQ will identify any appropriate goals and measures for the Agency in the areas of environmental preferable purchasing, resource conservation, and disposal, and/or energy efficiency and conservation.	6/30/2016	6/30/2016	All Sections	

5.1 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-AZPDES PPG [Match]	0.21	23,767	10,457	15,312		49,536
WQFF-AZPDES	3.22	172,577	75,934	111,184		359,695
WQFF-APP PPG [Match]	0.20	22,637	9,960	14,584		47,181
WQFF-APP	11.34	600,903	264,397	387,135		1,252,435
SDW (VEI) DWSRF 10% [Match]	1.00	68,760	30,254	44,299		143,313
SDW (VEI)	2.03	157,352	69,235	101,375		327,962
PPG	6.14	377,210	165,972	243,020		786,202
Contract: Program Support (WQFF-AZPDES)					20,000	20,000
Contract: Permit Appeals (WQFF-APP)					44,600	44,600
Contract: Education & Training (PPG)					30,000	30,000
Contract: Attorney General (SDW-VEI)					50,000	50,000
Contract: Attorney General (PPG)					50,000	50,000
Contract: AD & SRO (WQFF-APP/AZPDES/DW)					24,534	24,534
TOTALS	24.14	1,423,206	626,209	916,909	219,134	3,185,458

#### End of Year Summary

Del. 5.1.6 ADEQ is an active member of the ASDWA Small Systems workgroup and regularly attends the conference calls. ADEQ also has responded to multiple surveys and data requests from ASDWA during the fiscal year.

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.2 Water Quality Planning

Coordinate the development and amendment of annual water quality work plans and grants. Plan, control and monitor expenditures of manpower and state/federal financial resources.

#### 5.2 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Develop annual FY17 Integrated Water Quality Division Workplan and submit to EPA.				PPG
a Draft	2/29/2016		Director	
b Final	5/31/2016		Director	
2 Coordinate development of performance reports				PPG
a Final FY15 Output Report to EPA	8/31/2015	8/17/2015	Director	
b FY16 Mid-Year Output Report to EPA	2/15/2016		Director	
3 WQ Planning documents				PPG
a Distribute workplan books for FY16 start-up	7/31/2015		Director	
b Finalize spreadsheets for FY17 startup	5/31/2016		Director	
c Hold conference calls with EPA regarding budget updates (FY15 FSR Review & FY16 Update)	6/30/2016		Director	
di Submit Budget Status Reports (BSR) summaries for: Performance Partnership Grant (PPG)	Quarterly: 10/31/2015 1/31/2016 4/30/2016	Quarterly	Director	
dii Submit Budget Status Reports (BSR) summaries for: DWSRF Federal (15%) Set-Aside	Quarterly: 10/31/2015 1/31/2016 4/30/2016	Quarterly	Director	
diii Submit Budget Status Reports (BSR) summaries for: Wellhead (10%) Set-Aside	Quarterly: 10/31/2015 1/31/2016 4/30/2016	Quarterly	Director	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.2 Water Quality Planning

Continued

5.2 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
PPG	1.68	76,754	33,772	49,449		159,975
TOTALS	1.68	76,754	33,772	49,449		159,975

End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.3 Water Quality Data Management

Facilitate the development and management of relevant database applications. Facilitate the development of new and expansion of existing e-government applications. Facilitate water data capture, storage, access, retrievals, analysis, integration, and sharing.

#### 5.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Conduct gap analysis to inform design and programming of the required systems to implement EPA's E-reporting rule, including E-DMR.	6/30/2016		ITS Director Compliance	PPG
2 Complete gap analysis to allow participating laboratories to transmit test data to SDWIS (lab to state).	7/31/2015	6/30/2016	ITS Director Drinking Water	
3 Continue to diagnose and fix bugs in ADEQ Water Quality Compliance Database uploads to EPA Integrated Compliance Information System database.	6/30/2016		ITS Director	PPG
4 Continue to assist in the analysis and design of myDEQ.	6/30/2016		ITS Director Permits Surface Water Compliance Drinking Water	
5 Water Quality Database				PPG
a Install new software and complete data migration to manage water quality data.	6/30/2016		ITS Director Surface Water	
b Diagnose and fix bugs in current water quality database, including data loads to EPA Water Quality Exchange network during transition to new database solution.	6/30/2016	5/1/2016	ITS Director Surface Water	
6 Stormwater general permits				
a Diagnose and fix bugs related to permits in storm water database, including annual fees program.	6/30/2016		ITS Director Surface Water	

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.3 Water Quality Data Management

Continued

#### 5.3 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
b Diagnose and fix bugs related to storm water database e-permitting system, Smart-NOI.	6/30/2016		ITS Director Surface Water	
7 Reporting				
a Develop a data warehouse solution for storm water permits, class V injection wells and Discharge Monitoring Report data.	6/30/2016		ITS Director Surface Water Compliance	

5.3 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-AZPDES PPG [Match]	0.25	13,039	5,737	8,400		27,176
WQFF-AZPDES	0.84	56,112	24,689	36,150		116,951
WQFF-APP	0.42	28,635	12,600	18,449		59,684
PPG	1.38	72,465	31,885	46,686		151,036
TOTALS	2.89	170,251	74,911	109,685		354,847

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR**

### TASK 5.4 WIFA Support

Provide water and wastewater engineering assistance to WIFA. Pursuant to 2014 amendments to the Clean Water Act, assist WIFA's review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans. Cost and Effectiveness Analyses include an evaluation of the cost and effectiveness of the Processes, materials, techniques and technologies of the projects. Fiscal Sustainability Plans include an inventory of critical assets, evaluation of asset performance, and a plan for repair and replacement. Initial implementation will be wastewater projects in the first year, but may increase and include drinking water projects over time. Also assist WIFA project managers with the American Iron and Steel requirements.

#### 5.4 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Provide engineering consultation to WIFA project managers during loan application process:				
a Review WIFA project manager's due diligence report for evaluation of project purpose, scope and cost.	2-5 projects every other month	14	Water Permits Drinking Water	
b Accompany WIFA project managers on loan application visits when needed to assist with evaluation of technical aspects of project.	3 projects every other month	1	Water Permits Drinking Water	
c Assist with WIFA review of applicants' Cost and Effectiveness Analyses and Fiscal Sustainability Plans.	2-4 wastewater projects	0	Water Permits Drinking Water	
2 Accompany WIFA project managers on construction observations when needed to assist with review of American Iron and Steel compliance.	6 visits per year	0	Water Permits Drinking Water	
3 Answer questions/provide engineering consultation to WIFA project managers as technical questions arise.	6/30/2016	6/30/2016	Water Permits Drinking Water	

5.4 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
SDW (VEI)	0.25	19,709	8,672	12,697		41,078
TOTALS	0.25	19,709	8,672	12,697		41,078

#### End of Year Summary

# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program: GWR, DWR, SWR**

### TASK 5.5 Border Strategy

Continue implementation of the Border Strategy Plan by identifying water quality transboundary issues, coordinating with U.S. and Mexican counterparts toward the resolution of respective issues, and conducting water quality studies in the Arizona border region.

Coordinate with EPA on Border 2020, or subsequent U.S.-Mexico border environmental program activities, and provide technical support as feasible on projects funded through the program.

### 5.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
1 Continue support of the wastewater pretreatment program in the Ambos Nogales border region. Specific activities include:				
a Provide technical support to stakeholders Strategy 3.c.i	6/30/2016		SRO	
b Maintain or revise, if necessary, ADEQ's current Memorandum of Understanding with Nogales, Sonora authorities	6/30/2016		SRO	
c Assist with coordination of training to enhance local pretreatment efforts	6/30/2016		SRO	
d Assist with source characterization of regulated contaminants	6/30/2016		SRO	
2 Participate in or chair meetings with binational stakeholders regarding issues and remedies to the water quality impairment of shared watersheds along the US/Mexico border including Nogales Wash in Ambos Nogales  Strategy 3.c.i	6/30/2016		SRO	Wellhead
3 Support work in Nogales, Sonora to reduce sanitary sewer overflows into Nogales Wash.	6/30/2016		SRO	
4 Coordinate with EPA on Border 2020 and provide technical support as feasible on projects funded through the program.	6/30/2016		SRO	



# SFY 2016 WORKPLAN

## GOAL #2: Protecting America's Waters

**OBJECTIVE 2.1, 2.2** Protect Human Health & Protect and Restore Watersheds and Aquatic Ecosystems (2.1 & 2.2)

**Program:** GWR, DWR, SWR

### TASK 5.5 Border Strategy

Continued

#### 5.5 DELIVERABLES:

OUTPUT DESCRIPTION	Target	Actual	Responsible Section	Grant
5 Assist in TMDL and groundwater quality investigations for sites located in the border region as assigned. Investigations may include the need to photo-document conditions, collect field notes, conduct water quality sampling and data management, and/or file preliminary reports on findings.  Strategy 1.c.i; Strategy 1.c.ii	6/30/2016		SRO	
6 Assist in the development and oversight of special conditions for permits assigned to operators of facilities in the border region.	6/30/2016		SRO	
7 Provide bilingual compliance assistance to customers in the border region.	6/30/2016		SRO	

5.5 FTE Funding Source	FTE	Personnel	ERE	Indirect	Others	Total
WQFF-AZPDES	0.44	29,210	12,853	18,819		60,882
WQFF-APP	0.53	34,315	15,099	22,108		71,522
Wellhead	0.33	21,920	9,645	14,122		45,687
TOTALS	1.30	85,445	37,597	55,049		178,091

#### End of Year Summary

# SFY 2016 WORKPLAN

## **EPA LABORATORY COMPETENCY POLICY**

The Arizona Department of Environmental Quality (ADEQ), Water Quality Division certifies that laboratories providing data to ADEQ per approved workplan activities has/have the appropriate certification/accreditation/QA documentation and has/have been evaluated by the ADEQ to determine that the laboratory (ies) has/have demonstrated competency in the requested fields of analyses, as required by EPA's Laboratory Competency Policy.